

PRODUCT CATALOG



A new era of smarter,
safer and affordable healthcare

About Us

vTitan specializes in the design, development, and manufacturing of cutting-edge medical devices that empower healthcare professionals and enhance the quality of life for patients. We are committed to advancing patient care and improving healthcare outcomes through the infusion of latest technology into medical devices. At vTitan, we keep a relentless focus on innovation in product design, user-centric interfaces, patient safety and product reliability.

We offer medical products that are not just functional but also intuitive to understand and operate with unmatched quality. Designed and developed in India, our products are making a distinct mark in domestic and international markets with their unique set of features and built-in capability of remote monitoring, offering web and mobile solutions at an affordable price.

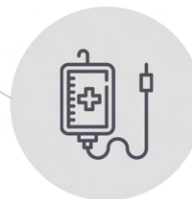
Our patented technologies in infusion therapy and interventional radiology have set new standards of care in respective product domains, leading to better patient outcomes and productivity gains for hospitals.



Our Products

Infusion

Accuflow Drip Monitor
Accuflow VE Syringe Pump
Accuflow Thala Pump
Accuflow Compact pump



Urology

Accuflow Uro



Therapy

vREM (CPAP)
De Thromb (DVT Pump)



Radiology

HighNoon
CTflowX



Monitoring

vCardio (Cardiac Monitor)
Jeevantra



Assist Device

CPR Feedback Device
Vein Detect



Accuflow Drip Monitor

Accuflow Drip Monitor tracks gravity infusion and alerts caregivers during critical conditions. With Wi-Fi connectivity, it allows remote viewing of infusion parameters and alarms from the nursing desk.

-  Reliable drop sensing
-  Monitors IV closely
-  Critical alarm display
-  Reduces nurse workload
-  Improves patient treatment outcomes
-  Remote monitoring solution with real-time infusion status, alarms. Multi-platform software for different use environments



Technical Specifications

Dimensions (LxWxH)	180 x 160 x 65 mm	Chamber Diameter	13.5 to 19 mm (Single chamber drip sets) 25 mm (Double chamber drip sets with outer ring)
Weight	35 g	Display Parameters	Duration, Flow rate, Drip rate, Drop count, Volume infused
Display	1.7" colour display	Communication	Wi-Fi
Compatible IV Sets	10, 15, 20, 60 gtt/ml	Battery	Li-ion battery, upto 24 hrs
Accuracy	Drop detection accuracy- 99.9%		

Accuflow VE Syringe Pump

Accuflow VE syringe pump delivers accurate and reliable infusion therapy to patients in a controlled manner.



Patented closed-loop motion control technology



Improved infusion accuracy



3.5 inch colour display



User intuitive controls



Li-on battery, up to 13 hours battery backup



Remote monitoring solution with dashboard, real time status, configurable drug library, infusion audit reports



Technical Specifications

Dimensions (LxWxH)	275 x 120 x 108 mm
Weight	2.3 kg
Syringe Size	5, 10, 20, 50/60ml
Flow Rate Range	0.01 - 2000 mL/hr
VTBI Range	0.1 – 999 mL

Infusion Modes	Rate Mode, Volume/Duration Mode, Dosage Rate Mode, Multi-Step Mode, Micro Infusion Mode
Accuracy	Mechanical: ± 1%, Flow Rate : ± 2%
Bolus	Manual and Auto Bolus
KVO Rate	0.01 – 5 mL/hr

Accuflow Thala Pump

Accuflow Thalassemia Pump is designed for reliable infusion of iron-chelating agents for thalassemia patients focusing mainly on patient safety, simplicity, and comfort.

-  Compact and portable
-  Easy to use
-  Quick 3-step operation
-  Simple priming procedure
-  Lock functionality
-  Visual and audio alarms



Technical Specifications

Dimensions (LxWxH)	172 x 36 x 51 mm
Weight	185 g
Display	0.96" OLED
Syringe Size	5, 10, 20 ml
Flow Rate Range	0.1 - 70 mL/hr

Accuracy	±2%
Priming function	Available
Battery type	9V Li-ion battery (Rechargeable)
Battery Life	40 hrs

Accuflow Uro

Accuflow Uro is a non-invasive uroflowmetry device that accurately measures urine volume and helps in diagnosing urinary problems like incontinence, hesitancy, and other voiding dysfunctions.



Lightweight



High precision load cell sensor with 3 kg capacity



Adjustable urine density, time and flow scale



Pre-configurable diagnostic codes



Wireless and real time data acquisition



Detailed reports with patient data, results and nomograms

**US FDA
Registered**



Technical Specifications

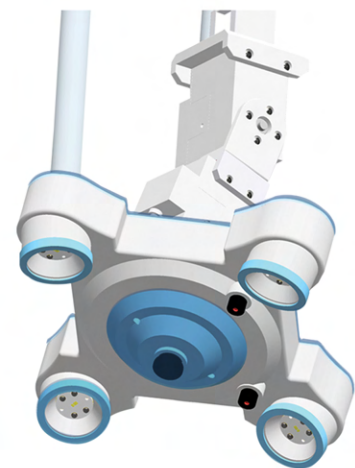
Dimensions (LxBxH)	180 x 160 x 65 mm
Weight	1 kg
Flow Rate	0.1-50 mL/s
Volume	Up to 1000 mL
Accuracy	+/-2% of voided volume

Modes	Manual, Auto
Parameters Measured	Max flow rate, Avg flow rate, Voided volume, Voiding time, Flow time, Time to max, Hesitancy
Communication	Bluetooth
Battery	4 AA batteries

HighNoon

HighNoon is a shadow based, CT guided instrument positioning assistant, which helps clinicians in performing high-risk and high-precision percutaneous medical interventions.

-  Needle point accuracy, Shadow based real-time guidance
-  Easy learning curve
-  Minimal iterations, reduced radiation exposure
-  No need for calibration every time
-  Early diagnosis & treatment
-  Better patient comfort & improved patient safety



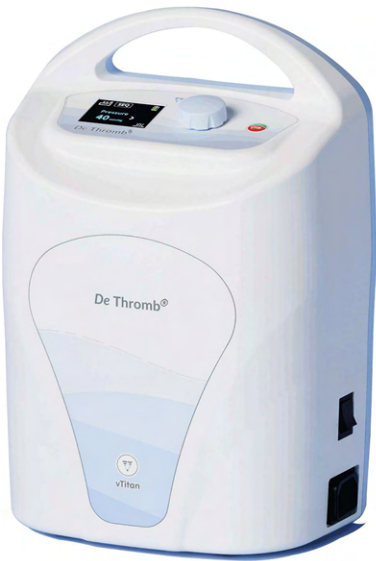
Technical Specifications

Compatible Modality	CT, CT Fluro	Mounting Options	Permanent (Floor/Ceiling/Wall or combination option available as per site)
Imaging Interface	DICOM 3.0		
Positioning Accuracy	2 mm	Positioning Method	3 level confirmation for accurate positioning (shadow based + laser alignment + live feed view)
Linear Resolution	0.5 mm		
Device Controls	Wireless keypad and Foot switch	Communication	Wi-Fi

De Thromb

De Thromb is a cutting-edge solution designed to effectively address deep vein thrombosis (DVT). This Intermittent Pneumatic Compression pump non-invasively increases blood circulation in the limbs.

-  Compact and easy to use
-  Supports both uniform and sequential compression modes
-  Detachable hooks to hang on bedside
-  Programmable pressure and interval time
-  Provision to track and reset total operating hours
-  Audio and visual alarms



Technical Specifications

Dimensions (LxWxD)	177x252x 202 mm	Compression Pressure	Calf/thigh: 20, 30, 40, 50, 60 mmHg Foot: 120, 130, 140 mmHg
Weight	2.5 kg	Interval Time	24, 48, 60 seconds (selectable)
Display	1.7-inch LCD	Power Supply	100-240 V AC, 50-60 Hz
Compression Areas	Thigh, calf, foot	Battery	Rechargeable Li-ion battery, Operating Time: 8 hrs
Compression Modes	Uniform, sequential		

vCardio

vCardio is a state-of-the-art ambulatory cardiac monitoring device designed for precise ECG monitoring using a reusable electronic module that snaps over a disposable electrode patch.



Sleek and lightweight



Continuous cardiac monitoring upto 7 days



Patient-triggered symptom tracking



Wearable in shower



Lead-off detection to identify lead disconnections



Multi-platform software for various use environments



Technical Specifications

Dimensions (HxWxD)	58 x 50 x 17 mm
Weight	35 g
Type	Single Lead (Lead II)
Sampling Rate	256 samples/sec
CMRR	> 80 dB

Heart Rate	Range: 25-240 BPM Accuracy: +/- 5 BPM or 10%
Respiratory Rate	Range: 3-40 breaths/min Accuracy: +/- 3 breaths/min
Communication	Bluetooth
Battery	CR2450 coin cell battery

vREM

vREM is a comprehensive CPAP therapy device for restoring restful sleep and combating the effects of obstructive sleep apnea (OSA).

-  CPAP and APAP modes to cater to your therapy needs
-  Comfort features such as ramp, flex and automatic start / stop
-  OSCAR compatible data insights
-  Breath-by-breath analysis
-  Foam-free device
-  Application for monitoring of therapy data and report generation



Technical Specifications

Dimensions (LxWxH)	240 x 160 x 85 mm	Humidifier	Level 0-6
Weight	< 1.5 kg (approx.)	Filter	Pollen and ultrafine (Optional)
Pressure	4-20 cmH2O	Compatible Tubing	15 mm & 22 mm
Ramp Time	0-45 min (or Auto)	Communication	Bluetooth
Flex	Off, Level 1-3	Power Supply	100-240 V AC, 50-60 Hz

Accuflow Compact Pump

Accuflow Compact Pump delivers fluids to a patient's body in a controlled manner for immunoglobulin therapy and palliative care.

-  Rate and volume duration mode
-  Improved infusion accuracy
-  User Intuitive controls
-  Subcutaneous and Intravenous delivery
-  Bolus infusion for quick delivery
-  Compact and portable



Technical Specifications

Dimensions (LxWxH)	172 X 36 X 51 mm	Flow Rate Range	0.1 to 600 ml/hr (Intravenous), 0.1 to 100 ml/hr (Subcutaneous)
Weight	200 g	Bolus	50 to 600 ml/hr
Display	0.96" OLED	Priming	Manual Priming
Syringe Size	5, 10, 20 and 50 ml	Battery	Li-Ion, Operating time: 40 hrs
Accuracy	±2%		

Jeevantra

Jeevantra is a smart ICU monitoring and care management solution designed to seamlessly connect with medical devices and display patient data in a unified, real-time, patient-centric dashboard.



Remote view and management



Smart alarm management



Unified patient dashboard



Paperless ICU



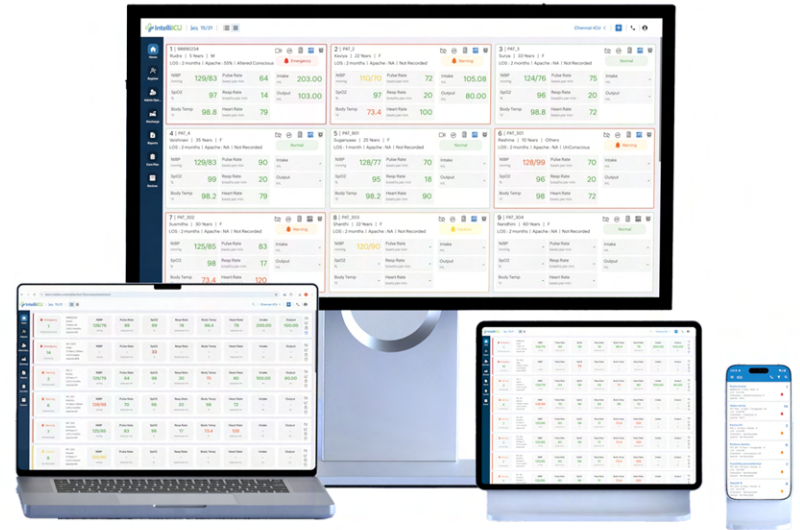
Real time video feed



Nurse workload optimization



Enhanced clinical collaboration



Manage Progress Notes

Provides patient-wise progress notes editor, using which nurses can judiciously record the instructions from intensivists and doctors and provide effective medical interventions.

Powered by agentic AI

Intelligent agents that assist clinicians by automating routine tasks, prioritizing alerts, and highlighting key trends; to streamline workflow and support faster, safer clinical decisions.

Real Time Video Feed

Option to view the real time video feed of the patient to closely monitor the patient's physical state and provide necessary medical intervention.

Choosing the appropriate EWS (Early Warning Score)

Jeevantra provides customization option to choose the appropriate EWS. Some of the early warning scores are Braden scale, Rass scale, Apache II score, SOFA score, NEWS2 score.

CPR Feedback Device

CPR Feedback Device is an assist device that aid in the delivery of effective chest compression.



Compact and portable



Compression counter



Longer battery life



Distinct audio feedback



Vein Detect

Vein Detect is a non-invasive imaging device that helps to find the optimal venipuncture site. It utilizes advanced Light Emitting Diodes (LED) to illuminate veins beneath the skin, creating a clear contrast that allows healthcare providers to locate veins quickly and accurately.



LED technology



Suitable for all age groups



Suitable for all skin types



Compact and portable



CTflowX

CTflowX is a dual-head injector designed to deliver iodine-based contrast and saline with precision for high-quality CT imaging.

-  Dual-Head Design
-  Multi-Phase Injection System
-  Dual-Flow Capability
(Inject Contrast & Saline simultaneously)
-  Real-time Pressure Monitoring
-  Dynamic Flow Rate Optimization
-  Seamless Remote Console Communication



Technical Specifications

Dimensions (LxWxH)	220 x 420 x 140 mm	Flow Rate Range	0.1 to 10 mL/s
Weight	30 kgs	Injection Capabilities	Up to 6 phases per protocol
Display	7" CFT Display	Protocol	Up to 200 protocol
Syringe Size	200 ml	Pressure Limit	50-325 psi
Accuracy	±5%	Communication	Wi-Fi

CDSCO
Approved

IEC
IEC 60601-1/1-2

ISO
13485:2016
Certified



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Product Brochures



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